An Overview of ITIS

www.itis.gov

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Information System (ITIS)







Partners























Agriculture and Agri-Food Canada Agriculture et Agroalimentaire Canada











The ITIS mission

to build and maintain a scientifically credible and publicly accessible database of taxonomic data and information on the world's biota, placing priority on the taxa of North America.







Key Components

Standard taxonomic reference tool

- dynamic standardized database of biological names & related data (500K+ scientific names and 100K+ common names of importance to N. America and beyond)
- accepted scientific names in single "best" classification, with synonyms, and common names
- multi-lingual interface English, French, Portuguese, Spanish
- on-line lookup, downloads
- Full taxonomic coverage with regional and global checklists



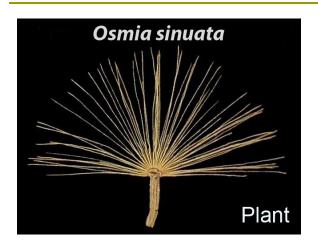


Key Components

- Taxonomic Serial Number (TSN) unique for each scientific name
 - facilitates machine to machine the TSN is a nonintelligent, unique and stable
- Codes of Nomenclature dictate ITIS business rules
- Rigorous proofing protocols and verification
- Bibliographic/expert link
 - steward program insures scientific credibility
- Working tools Work Bench, TaxCompare, queries



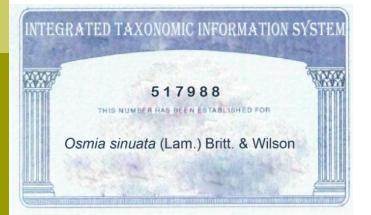






ITIS Taxonomic Serial Numbers are Social Security Numbers

for Species Names







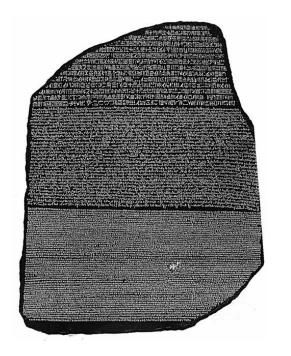


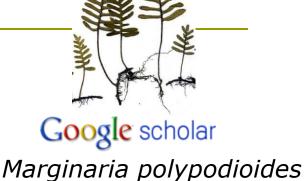


Google scholar

Marginaria polypodioides

15 Articles





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With ITIS synonomy

Pleopeltis polypodioides Polypodium polypodioides

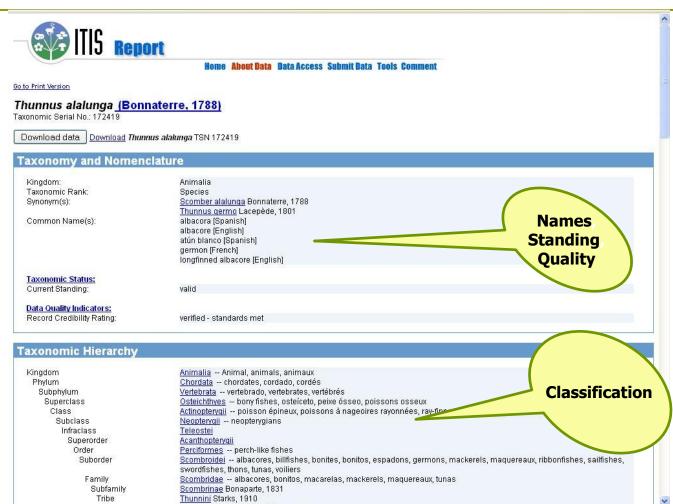
814 Articles

ITIS is the Rosetta Stone for Species Names





Classification







References

Tribe Genus Subgenus Thunnini Starks, 1910

Thunnus South, 1845 -- albacores, tunas Thunnus (Thunnus) South, 1845

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References

Expert(s):

Expert Notes:

Reference for

Other Source(s):

Acquired:

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Acquired:

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Author(s)/Editor(s):

Publication Date:

Page(s):

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Article/Chapter Title:

Journal/Book Name, Vol. No.:

Page(s):

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Author(s)/Editor(s):

Senior Scientist, National Systematics Laboratory, National Marine Fisheries Service; Smithsonian Institution, National Museum

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Publication Place:

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Thunnus alalunga

Catalog of Fishes, 13-May-2004, website (version 10-May-04)

http://www.calacademv.org/research/ichthyology/catalog/ Thunnus alalunga

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21-57

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FAO Fisheries Synopsis, no. 125, vol. 2

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Rome, Italy

92-5-101381-0

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Collette, Bruce B., Carol Reeb, and Barbara A. Block / Barbara A. Block at

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Academic Press San Diego, California, USA

0-12-350443-0

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Nelson, Joseph S., Edwin J. Crossman, H. Espinosa-Pérez, L. T. Findley, C. R. Gilbert, et al., eds.

Common and scientific names of fishes from the United States, Canada, and Mexico, Sixth Edition

American Fisheries Society Special Publication, no. 29 ix + 386

American Fisheries Society

Bethesda, Maryland, USA

1-888569-61-1, 0097-0638 Full author list: Nelson, Joseph S., Edwin J. Crossman, Héctor Espinosa-Pérez, Lloyd T. Findley, Carter R. Gilbert, Robert N. Lea,

and James D. Williams Thunnus alalunga, albacora, albacore

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Web Services



What's New About ITIS Data Access Submit Data Tools TRED

Links

Home

Comments

The ITIS Web Services provide the ability to search and retrieve data from ITIS by providing access to the data behind the ITIS web site

This page will be updated in the future with a full description of the web service and all its functionality. It will include:

Description - This will list each service function with its description, inputs, outputs, and a sample URL that returns results.

WSDL: - The Web Service Description Language document that fully describes the ITIS Web Service. This document can be used to create clients that access the service.

All services described in the WSDL are available at http://www.itis.gov/ITISWebService/services/ITISService/name_of_service

For example, the description can be accessed at http://www.itis.gov/ITISWebService/services/ITISService/getDescription

Creating a Client - This will provide coding information for creating a client using Java in a step-by-step approach.





Online Taxonomic Workbench

File Project Tools			
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Major Groups Complete for North America

All Plants





Many Invertebrate Groups





All Vertebrates











Focus Areas in 2011

- Complete update of the Plants
- CITES
- Insects (many groups)
- All Spiders of the World
- Fungi
- Worms
- Mosses, Liverworts & Hornworts





Questions?

